

Status of NDGD Elements as of November 5, 2008

Guidance Type/ Element	CONUS	Puerto Rico	Hawaii	Guam	Alaska
Gridded MOS					
Maximum Temperature	Operational since 8/15/2006	Not available	Not available	Not available	Experimental since 6/10/2008
Minimum Temperature	Operational since 8/15/2006	Not available	Not available	Not available	Experimental since 6/10/2008
Temperature	Operational since 8/15/2006	Not available	Not available	Not available	Experimental since 6/10/2008
Dewpoint	Operational since 8/15/2006	Not available	Not available	Not available	Experimental since 6/10/2008
Relative Humidity	Operational since 8/15/2006	Not available	Not available	Not available	Experimental since 6/10/2008
Wind Direction and Speed	Operational since 8/15/2006	Not available	Not available	Not available	Not available
6-hour Probability of Precipitation	Operational since 8/15/2006	Not available	Not available	Not available	Not available
12-hour Probability of Precipitation	Operational since 8/15/2006	Not available	Not available	Not available	Not available
3-hour Probability of Thunderstorms	Operational since 8/15/2006	Not available	Not available	Not available	Experimental since 6/10/2008
6-hour Probability of Thunderstorms	Operational since 8/15/2006	Not available	Not available	Not available	Experimental since 6/10/2008
12-hour Probability of Thunderstorms	Operational since 8/15/2006	Not available	Not available	Not available	Experimental since 6/10/2008
Wind Gust	Operational since 6/5/2007	Not available	Not available	Not available	Not available
Sky Cover	Operational since 6/5/2007	Not available	Not available	Not available	Not available
6-hour Quantitative Precipitation Forecast	Operational since 6/5/2007	Not available	Not available	Not available	Not available
12-hour Quantitative Precipitation Forecast	Operational since 6/5/2007	Not available	Not available	Not available	Not available
24-hour Snowfall Amount	Operational since 6/5/2007	Not available	Not available	Not available	Not available
Weather	Not available	Not available	Not available	Not available	Not available

Guidance Type/ Element	CONUS	Puerto Rico	Hawaii	Guam	Alaska
Air Quality					
1-hour Average Ozone Concentration	Operational since 8/31/2005	Not available	Not available	Not available	Not available
8-hour Average Ozone Concentration	Operational since 8/31/2005	Not available	Not available	Not available	Not available
1-hour Average Surface Smoke	Operational since 2/28/2007	Not available	Not available	Not available	Experimental since 5/27/2008
1-hour Average Vertical Smoke Integration	Operational since 2/28/2007	Not available	Not available	Not available	Experimental since 5/27/2008
LAMP					
2-hour Probability of Thunderstorms	Operational since 7/25/2006	Not available	Not available	Not available	Not available
2-hour Thunderstorm Best Category	Operational since 7/25/2006	Not available	Not available	Not available	Not available
Ceiling Height	Not available	Not available	Not available	Not available	Not available
SLOSH					
Probability of hurricane storm surge > <ul style="list-style-type: none"> ▪ 2 feet ▪ 3 feet ▪ 4 feet ▪ 5 feet ▪ 6 feet ▪ 7 feet ▪ 8 feet ▪ 9 feet ▪ 10 feet 	Experimental since 6/12/2007	Not available	Not available	Not available	Not available
10% Exceedance hurricane storm surge height	Experimental since 6/19/2007	Not available	Not available	Not available	Not available
Extratropical storm surge height	Experimental since 10/21/2008	Not available	Not available	Not available	Experimental since 10/21/2008
RTMA					
Temperature	Experimental since 4/17/2007	Experimental since 9/23/2008	Experimental since 9/23/2008	Not available	Experimental since 4/15/2008
Dewpoint	Experimental since 4/17/2007	Experimental since 9/23/2008	Experimental since 9/23/2008	Not available	Experimental since 4/15/2008
Sky Cover	Experimental since 4/17/2007	Not available	Not available	Not available	Not available
Wind Direction and Speed	Experimental since 4/17/2007	Experimental since 9/23/2008	Experimental since 9/23/2008	Not available	Experimental since 4/15/2008
1-hour Precipitation Amount	Experimental since 4/17/2007	Not available	Not available	Not available	Not available

Guidance Type/ Element	CONUS	Puerto Rico	Hawaii	Guam	Alaska
Surface Pressure	Experimental about 1/29/2009	Experimental about 1/29/2009	Experimental about 1/29/2009	Not available	Not available
Temperature Uncertainty	Experimental since 4/17/2007	Experimental since 1/29/2009	Experimental since 1/29/2009	Not available	Experimental since 4/15/2008
Dewpoint Uncertainty	Experimental since 4/17/2007	Experimental since 9/23/2008	Experimental since 9/23/2008	Not available	Experimental since 4/15/2008
Wind Direction and Speed Uncertainty	Experimental since 4/17/2007	Experimental since 9/23/2008	Experimental since 9/23/2008	Not available	Experimental since 4/15/2008
Surface Pressure Uncertainty	Experimental about 1/29/2009	Experimental about 1/29/2009	Experimental about 1/29/2009	Not available	Not available
Model Terrain Height	Experimental about 1/29/2009	Experimental about 1/29/2009	Experimental about 1/29/2009	Not available	Not available
Ensemble Kernel Density MOS					
Maximum Temperature <ul style="list-style-type: none"> ▪ CDF05 ▪ CDF10 ▪ CDF20 ▪ CDF25 ▪ CDF30 ▪ CDF40 ▪ CDF50 ▪ CDF60 ▪ CDF70 ▪ CDF75 ▪ CDF80 ▪ CDF90 ▪ CDF95 	Not available	Not available	Not available	Not available	Not available
Minimum Temperature <ul style="list-style-type: none"> ▪ CDF05 ▪ CDF10 ▪ CDF20 ▪ CDF25 ▪ CDF30 ▪ CDF40 ▪ CDF50 ▪ CDF60 ▪ CDF70 ▪ CDF75 ▪ CDF80 ▪ CDF90 ▪ CDF95 	Not available	Not available	Not available	Not available	Not available
Temperature <ul style="list-style-type: none"> ▪ CDF05 ▪ CDF10 ▪ CDF20 ▪ CDF25 ▪ CDF30 ▪ CDF40 	Not available	Not available	Not available	Not available	Not available

<ul style="list-style-type: none"> ▪ CDF50 ▪ CDF60 ▪ CDF70 ▪ CDF75 ▪ CDF80 ▪ CDF90 ▪ CDF95 					
<p>Dewpoint</p> <ul style="list-style-type: none"> ▪ CDF05 ▪ CDF10 ▪ CDF20 ▪ CDF25 ▪ CDF30 ▪ CDF40 ▪ CDF50 ▪ CDF60 ▪ CDF70 ▪ CDF75 ▪ CDF80 ▪ CDF90 ▪ CDF95 	Not available				